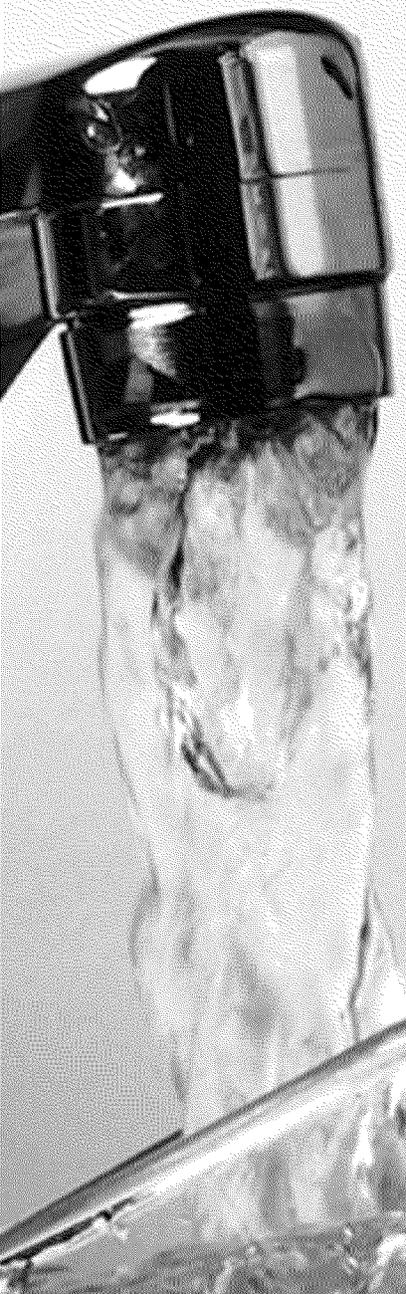


The Standardized Monitoring Framework: A Quick Reference Guide



Overview of the Framework

Title*	The Standardized Monitoring Framework (SMF), promulgated in the Phase II Rule on January 30, 1991 (56 FR 3526).
Purpose	To standardize, simplify, and consolidate monitoring requirements across contaminant groups. The SMF increases public health protection by simplifying monitoring plans and synchronizing monitoring schedules leading to increased compliance with monitoring requirements.
General Description	The SMF reduces the variability within monitoring requirements for chemical and radiological contaminants across system sizes and types.

*This document provides a summary of federal drinking water requirements; to ensure full compliance, please consult the federal regulations at 40 CFR 141 and any approved state requirements.

Additional Requirements

The SMF outlined on these pages summarizes existing systems' ongoing federal monitoring requirements only. Primacy agencies have the flexibility to issue waivers, with EPA approval, which take into account regional and state specific characteristics and concerns. To determine exact monitoring requirements, the SMF must be used in conjunction with any EPA approved waiver and additional requirements as determined by the primacy agency.

New water systems may have different and additional requirements as determined by the primacy agency.

SMF Benefits

Implementation of the SMF results in . . .

- ▶ Increased public health protection through monitoring consistency.
- ▶ A reduction in the complexity of water quality monitoring from a technical and managerial perspective for both primacy agencies and water systems.
- ▶ Equalizing of resource expenditures for monitoring and vulnerability assessments.
- ▶ Increased water system compliance with monitoring requirements.

Regulated Contaminants

Inorganic Contaminants (IOCs)	Fifteen (15) (Nitrate, Nitrite, total Nitrate/ Nitrite, and Asbestos are exceptions to SMF)
Synthetic Organic Contaminants (SOCs) & Volatile Organic Contaminants (VOCs)	Fifty-One (51)
Radionuclides	Four (4)

Utilities Covered

All PWSs	Nitrate Nitrite
CWSs	IOCs SOCs VOCs Radionuclides
NTNCWSs	IOCs SOCs VOCs

For additional information:

Call the Safe Drinking Water Hotline at 1-800-426-4791; visit the EPA web site at <http://water.epa.gov/drink> or contact your primacy agency's drinking water representatives.

See 40 CFR 141.23 regarding IOCs; 40 CFR 141.24 regarding VOCs and SOCs; and 40 CFR 141.26 regarding Radionuclides.

STANDARDIZED MONITORING FRAMEWORK

		Second Cycle									Third Cycle									
		1st Period			2nd Period			3rd Period			1st Period			2nd Period			3rd Period			
		2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Inorganic Contaminants (IOCs)	Groundwater (Below Trigger Level)																			
	Waiver ²							*												
	No Waiver	*			*			*			*			*			*			
	Surface Water (Below Trigger Level)																			
	Waiver ²										*									
	No Waiver	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Groundwater and Surface Water (Above Trigger Level) ¹																			
	Reliably and Consistently ≤ MCL for Groundwater Systems	*			*			*			*			*			*			
Reliably and Consistently ≤ MCL for Surface Water Systems	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
> MCL or Not Reliably and Consistently ≤ MCL	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		
Synthetic Organic Contaminants (SOCs)		02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	
	Population >3,300 (Below Trigger Level)																			
	Waiver	X			X			X			X			X			X			
	< Detect and No Waiver	**			**			**			**			**			**			
	Population <3,300 (Below Trigger Level)																			
	Waiver	X			X			X			X			X			X			
	< Detect and No Waiver	*			*			*			*			*			*			
	Above Trigger Level																			
Reliably and Consistently ≤ MCL ⁴	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
≥ Detect or Not Reliably and Consistently ≤ MCL	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		
Volatile Organic Contaminants (VOCs)		02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	
	Groundwater (Below Trigger Level)																			
	< Detect, Vulnerability Assessment, and Waiver ⁵	*						*						*						
	No Waiver ⁶	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Surface Water (Below Trigger Level)																			
	< Detect, Vulnerability Assessment, and Waiver ⁷	X			X			X			X			X			X			
	No Waiver ⁸	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	Above Trigger Level																			
Reliably and Consistently < MCL ⁴	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
≥ Detect or Not Reliably and Consistently ≤ MCL	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		

